



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/473,196	12/13/1999	Mark H. Sanders	4077-DIV-REI	9700

30031 7590 01/26/2004

MICHAEL W. HAAS, INTELLECTUAL PROPERTY COUNSEL
RESPIRONICS, INC.
1010 MURRY RIDGE LANE
MURRYSVILLE, PA 15668

EXAMINER

ISABELLA, DAVID J

ART UNIT	PAPER NUMBER
----------	--------------

3738

DATE MAILED: 01/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/473,196

Applicant(s)

SANDERS, MARK H.

Examiner

DAVID J ISABELLA

Art Unit

3738

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 November 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-3 is/are allowed.
- 6) ☒ Claim(s) 4-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: Dictionary Definition

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 4 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Mundell, et al (4700697).

Mundell, et al discloses a method to ameliorate sleep apnea including providing a cervical appliance which prevents ventral flexion of the head while maintaining the head in a slightly dorsally flexed position during sleep. Claims 4 and 7, as broadly worded fails to distinguish over the cervical appliance as applied to the patient as disclosed by Mundell, et al. Note, the term “distend” according to the dictionary definition of the same is not limited to the strict meaning as argued by applicant. Clearly the appliance of Mundell, et al is designed to produce a slight dorsal (ie frontal) flexion of the wearer’s head sufficiently to increase the oropharyngeal airway (ie alleviating obstruction) to minimize the tendency for apnea. If applicant desires to limit the term “distend” to a specific meaning, then applicant is invited to amend the claims to more positively set forth the intended meaning of the term “distend”.

Claim Rejections - 35 USC § 103

Art Unit: 3738

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 5,6,8 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mundell, et al (4700697) as applied to claims 4 and 7 above, and further in view of Bancalari (3903869).

Mundell, et al describes one modality for ameliorating sleep apnea. Bancalari teaches a two modality process for combating apnea, including negative pressures to the neck and thoracic region of the body in combination with positive pressure flow through the airway of the patient. In light of Bancalari, to use a positive pressure flow through the airway of the patient in combination with the cervical apparatus of Mundell in order to provide correct neck positioning to ensure an open airway for receipt of positive pressure flow into the airway, would have been obvious to one with ordinary skill in the art.

Response to Arguments

Applicant's arguments filed 1/20/04 have been fully considered but they are not persuasive. Contrary to applicant's arguments, the examiner is allowed to render the broadest interpretation of the claims. Importing meaning from the specification, by the Examiner, is not proper. Applicant argues a particular meaning of the term "distend" while the claim is not limited to applicant's chosen meaning. Examiner has interpreted

Art Unit: 3738

the term “distend” broadly while remaining within the confines of the dictionary definition of the term.

Allowable Subject Matter

Claims 1-3 are allowed.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

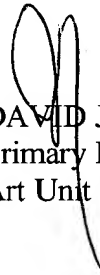
Any inquiry concerning this communication or earlier communications from the examiner should be directed to **DAVID J ISABELLA** whose telephone number is 703-308-3060. The examiner can normally be reached on **MONDAY-FRIDAY**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, **CORRINE MCDERMOTT** can be reached on 703-308-2111. The fax phone

Art Unit: 3738

numbers for the organization where this application or proceeding is assigned are 703-305-3579 for regular communications and 703-305-3580 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0858.



DAVID J ISABELLA
Primary Examiner
Art Unit 3738

dji
January 21, 2004

WEBSTER'S II

WEBSTER'S II
New Riverside
University
Dictionary

Property of the U.S. Government



he
side

BEST AVAILABLE COPY

Words that are believed to be registered trademarks have been checked with authoritative sources. No investigation has been made of common-law trademark rights in any word, because such investigation is impracticable. Words that are known to have current registrations are shown with an initial capital and are also identified as trademarks. The inclusion of any word in this Dictionary is not, however, an expression of the Publisher's opinion as to whether or not it is subject to proprietary rights. Indeed, no definition in this Dictionary is to be regarded as affecting the validity of any trademark.

Copyright © 1984 by Houghton Mifflin Company. All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or by any information storage or retrieval system, except as may be expressly permitted by the 1976 Copyright Act or in writing by the Publisher.

All correspondence and inquiries should be directed to
Reference Division, Houghton Mifflin Company
One Beacon Street, Boston, MA 02108

Library of Congress Cataloging in Publication Data
Main entry under title:

Webster's II new Riverside university dictionary.

I. English language—Dictionaries. I. Riverside Publishing Company. II. Title: Webster's two new Riverside university dictionary. III. Title: Webster's 2 new Riverside university dictionary.

PE1625.W244 1984 423 83-3799

ISBN: 0-395-33957-X (thumb index, trade edition)
0-395-37928-8 (high school edition)

Manufactured in the United States of America

Lexical and Electronic
Main

Ta
Sign at

dissociable • distinction

distaff (*dis'taf*) *n.* [ME *distaf* < OE *distef* = *dis-*, bunch of *flax stuf*, staff.] **1.** A staff having a cleft and in which the unspun flax wool, or tow, from which thread is drawn in spinning by hand. **2.** Woman's work and domain. **3.** Women as a group.

distaff side *n.* The maternal branch or female side of a family.

distaff (*dis'taf*) *adj.* [DISTRANT + -AL] **1.** Ant. Located far from the

distinct if it is sharply distinguished or set apart from other things; characteristic or property is distinctive if it enables us to distinguish one thing from another. 2. Easily perceived: CLEAR < a distinctive

dis-train (dī-strān') *n.* [**<** **DISTRAIN**.] **Law** The act or process of distraining. **DISTRESS.**

dis-train-ing (dī-strān'g) *adj.* [**Fr.** **<** **Lat.** **distractus**. —see **DISTRACT**.] **1**